

IN THE CLAIMS

Please amend claims as follows:

1. (Currently amended) A method for changing a mode of a card, the card being connected to an interface of a terminal, the interface comprising one or more signal lines including a command line and a data line, which card comprises and the card comprising at least one dormant mode and a normal mode, said method comprising:

transmitting a command to the card via the command line of the interface ~~a command~~ for changing the mode of the card from ~~said at least one~~ the dormant mode to the normal mode, and

the card receiving said command and transmitting to the terminal an indication of ~~indicating the~~ mode change of the mode via the data line of the interface, ~~by changing logical state of a signal line of the interface, and~~

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

~~transmitting the change of logical state of the signal line via the interface to the terminal, wherein the change of logical state of the signal line, received from the card and relating to the mode change, is processed in the terminal.~~

2-4. (Canceled)

5. (Original) The method according to claim 1, wherein after receiving said command to set the normal mode, an acknowledgement about the reception of the command is transmitted from the card to the terminal.

6. (Previously presented) The method according to claim 1, wherein said terminal is a wireless terminal provided with mobile station functions.

7. (Currently amended) A system, comprising a terminal and a card ~~which can be~~ connected to an interface of the terminal, the interface comprising one or more signal lines including a command line and a data line and ~~the card comprising which card comprises~~ at least one dormant mode and a normal mode, wherein said ~~terminal system~~ comprises:

means for transferring a command via the command line of the interface to the card, for changing the mode of the card from said ~~at least one~~ dormant mode to the normal mode, and wherein the card comprises:

means for interpreting the command and setting the mode of the card according to the command, and

means for transmitting to the terminal an indication of mode change via the data line of the interface,

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card. ~~changing logical state of a signal line of the interface indicating the change of the mode and for transferring said change of logical state via the interface from the card to the terminal, and wherein the terminal comprises:~~

~~means for processing the change of logical state of the signal line which has come from the card and which relates to the mode change.~~

8-10. (Canceled)

11. (Currently amended) The system according to claim 8~~7~~, wherein the interface comprises at least one card connection for connecting the card to the terminal, and said at least one card connection comprises at least the following lines:

one data line for the transfer of data between the terminal and the card,
one command line for the transmission of commands from the terminal to the card and for the transmission of responses from the card to the terminal, and
one clock line for the transmission of a clock signal from the terminal to the card.

12. (Original) The system according to claim 7, wherein after receiving said command to set the normal mode, an acknowledgement about the reception of the command is arranged to be transmitted from the card to the terminal.

13. (Currently amended) A card having at least one dormant mode and a normal mode, which is arranged to be connected to an interface of a terminal, the interface comprising one or more signal lines including a command line and a data line, said card comprising: ~~and which card comprises at least one dormant mode and a normal mode and~~

~~means for processing a command, said command coming via the command line of the interface of the terminal, for changing the mode of the card from said at least one dormant mode to the normal mode, and~~

~~means for transmitting an indication of mode change in the card to the terminal via the data line of the interface, generating a change of logical state of a signal line of the interface relating to the change in the mode of the card~~

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

14. (Canceled)

15. (Currently amended) The card according to claim 13, ~~wherein the interface is provided with one or more signal lines,~~ wherein the card comprises a bus connection block for transferring said change of logical state to the terminal on ~~one of said signal lines~~ the data line of the interface.

16. (Currently amended) A memory card having at least one dormant mode and a normal mode, ~~which is arranged to be connected to an interface of a terminal, the interface comprising one or more signal lines including a command line and a data line, and which said~~ memory card comprising: ~~comprises at least one dormant mode and a normal mode and~~

means for processing a command, said command coming via the command line of the interface of the terminal, for changing the mode of the memory card from said at least one dormant mode to the normal mode, and

means for transmitting an indication of mode change in the card to the terminal via the data line of the interface,

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

~~generating a change of logical state of a signal line of the interface relating to the change in the mode of the memory card.~~

17. (Currently amended) A terminal provided with an interface for connecting a card to the terminal, ~~which said card comprises comprising~~ at least one dormant mode and a normal mode, ~~and which terminal comprises an interface for transferring a command to the card, for changing the mode of the card from said at least one dormant mode to the normal mode, wherein the terminal comprises:~~

the interface, comprising one or more signal lines including a command line and a data line,

means for transferring a command via the command line of the interface to the card, for changing the mode of the card from said at least one dormant mode to the normal mode,

means for receiving a indication of mode change from the card via the data line of the interface, and ~~change of logical state of a signal line, relating to the mode change and generated by the card, via the interface from the card to the terminal, and that the terminal comprises~~

a processor for processing the change of logical state coming from the card and relating to the mode change,

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change is transferred in such a manner that the state of the signal line used for the transmission of said indication is arranged to be set in the first logical state after the command to set the normal mode has been received in the card, and that the state of the signal line used for transfer of said indication is arranged to be set in the second logical state after the normal mode is in use in the card.

18. (Currently amended) The terminal according to claim 17, ~~wherein the interface is provided with one or more signal lines, that at least one of said signal lines is a data line, and that said change of logical state is arranged to be transferred on said data line, and wherein the terminal comprises a coupling block for transferring the change of logical state from said data line to said processor.~~

19. (Currently amended) A mobile station provided with an interface for connecting a card to the mobile station, ~~which said card comprises comprising at least one dormant mode and a normal mode, and which mobile station comprises an interface for transferring a command to the card, for changing the mode of the card from said at least one dormant mode to the normal mode, wherein the mobile station comprises:~~

the interface, comprising one or more signal lines including a command line and a data line,

means for transferring a command via the command line of the interface to the card, for changing the mode of the card from said dormant mode to the normal mode,

means for receiving indication of mode change from the card via the data line of the interface, and

a change of logical state of a signal line of the interface, relating to the mode change and generated by the card, via the interface from the card to the mobile station, and that the mobile station comprises an iprocessor a processor for processing the change of logical state coming from the card and relating to the mode change,

wherein said command is used for changing the mode of the card from the dormant mode to the normal mode or from the normal mode to the dormant mode, said command comprises at least one bit, said bit indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, and

wherein the indication of mode change is transferred in such a manner that the state of the signal line used for the transmission of said indication is arranged to be set in the first logical state after the command to set the normal mode has been received in the card, and that the state of the signal line used for transfer of said indication is arranged to be set in the second logical state after the normal mode is in use in the card.

20. (Withdrawn) The method of claim 1, wherein said interrupt request processed in the terminal comprises detecting said interrupt request and starting said terminal for using the card in said normal mode before a predetermined maximum time expires for receiving said interrupt request from said card.

21. (Withdrawn) The system of claim 7, wherein in response to said interrupt request, said processor is for using said card in said normal mode before a predetermined maximum time for said generating said interrupt request expires.

22. (Withdrawn) the card of claim 13, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said generating said interrupt request expires.

23. (Withdrawn) The memory card of claim 16, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said generating said interrupt request expires.

24. (Withdrawn) The terminal of claim 17, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said transmitting said interrupt request expires.

25. (Withdrawn) The mobile station of claim 19, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said transmitting said interrupt request expires.

26. (Withdrawn) The method of claim 20, further comprising preventing said terminal from waiting for said interrupt request beyond said predetermined maximum time.

27. (Withdrawn) The system of claim 21, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

28. (Withdrawn) The card of claim 22, wherein said means for generating said interrupt request does so within a predetermined maximum time beyond which said terminal will consider the card defective or in need of booting.

29. (Withdrawn) The memory card of claim 23, wherein said means for generating said interrupt request does so within a predetermined maximum time beyond which said terminal will consider the card defective or in need of booting.

30. (Withdrawn) The terminal of claim 24, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

31. (Withdrawn) The mobile station of claim 25, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

32. (Currently amended) Mode shifting method for a mobile terminal having a card interface for interfacing a card thereto for use after a command has been sent from the terminal to the card to return from a dormant mode to a normal mode, comprising:

the terminal receiving ~~a signal~~ an indication of mode change from the card informing the terminal directly in response to said command that the card has shifted to the normal mode, and

the terminal starting to use the card in a normal way in response to said card informing the terminal that the card has shifted to the normal mode,

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

~~wherein the signal is a change of logical state of a signal line of the interface.~~

33. (Withdrawn) The method of claim 32, further comprising the terminal determining after a predetermined maximum time period after sending said command without said card informing the terminal that the card has shifted to the normal mode that the card is defective or attempting to reboot the card.

34. (Currently amended) Mobile terminal having a card interface for interfacing a card thereto, comprising:

an interface for receiving ~~a signal~~ an indication of mode change from the card after a command has been sent from the mobile terminal to the card to return from a dormant mode to a normal mode indicative of the card shifting to the normal mode; and

a processor for starting to use the card via said interface in a normal way in response to said card informing the terminal that the card has shifted to the normal mode,

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

~~wherein the signal is a change of logical state of a signal line of the interface.~~

35. (Withdrawn) The mobile terminal of claim 34, wherein said processor determines after a predetermined maximum time period after sending said command without said card informing the terminal that the card has shifted to the normal mode that the card is defective or in need of rebooting.

36. (Currently amended) Method for use by a card interfacing to a mobile terminal via a card interface in said terminal, comprising:

receiving a command from said terminal to shift from a dormant mode to a normal mode,
and

after shifting from said dormant mode to said normal mode, sending ~~a signal~~ an indication of mode change to the terminal indicative of said card shifting from said dormant mode to said normal mode,

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

~~wherein the signal is a change of logical state of a signal line of the interface.~~

37. (Currently amended) Card for interfacing to a mobile terminal via a card interface in said terminal, comprising

a control device, responsive to a command received over a connection from said terminal to shift from a dormant mode to a normal mode, for storing said command in a buffer for interpreting said command as a command to shift to said normal mode from said dormant mode, for setting said card to said normal mode and for sending a change of logical state of a signal line of the interface via said connection to said terminal indicative of said shift,

wherein the indication of mode change in the card is transmitted in such a manner that a state of the data line is set in a first logical state after the command has been received in the card, and the state of the data line is set in a second logical state after the normal mode is in use in the card.

38. (New) The method of claim 1, wherein the command comprises one or more bits in addition to the one bit that indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, said additional bits further define one or more conditions for mode change.

39. (New) The system of claim 7, wherein the command comprises one or more bits in addition to the one bit that indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, said additional bits further define one or more conditions for mode change.

40. (New) The card of claim 13, wherein the command comprises one or more bits in addition to the one bit that indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, said additional bits further define one or more conditions for mode change.

41. (New) The memory card of claim 16, wherein the command comprises one or more bits in addition to the one bit that indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, said additional bits further define one or more conditions for mode change.

42. (New) The terminal of claim 17, wherein the command comprises one or more bits in addition to the one bit that indicates whether the mode change is from the dormant mode to the normal mode or from the normal mode to the dormant mode, said additional bits further define one or more conditions for mode change.